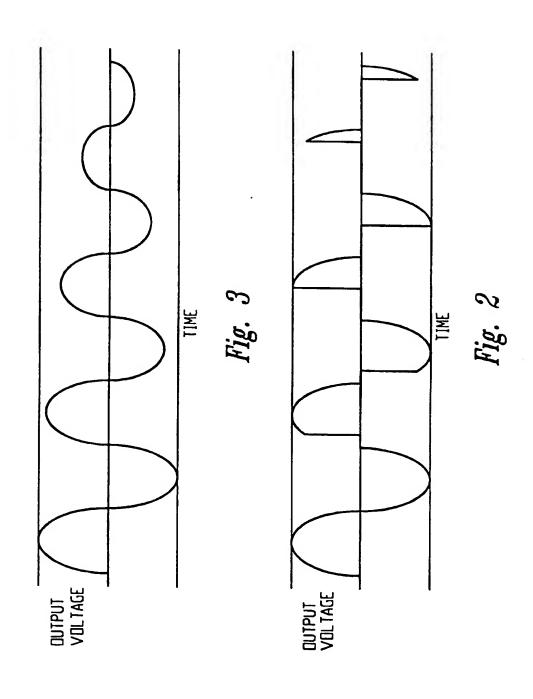
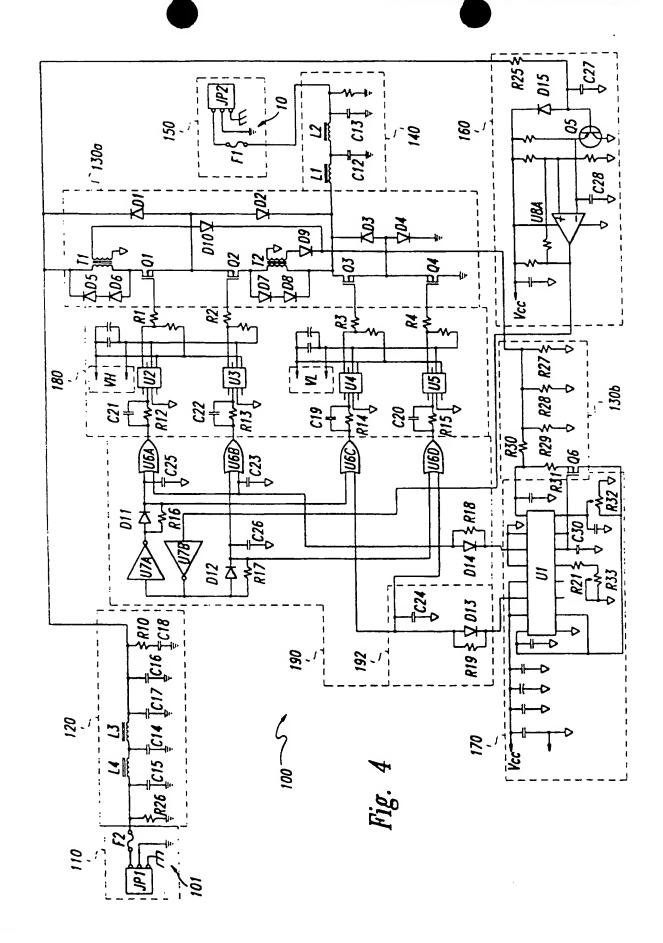


Fig. 1 (PRIOR ART)





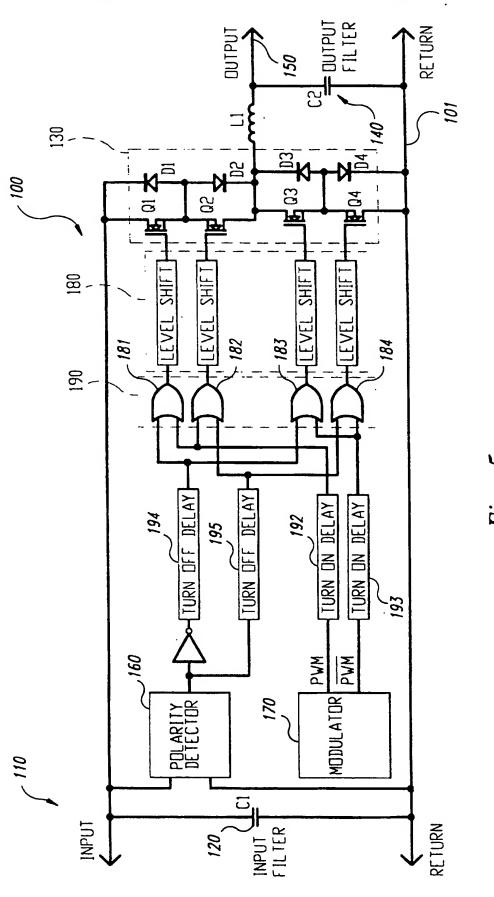
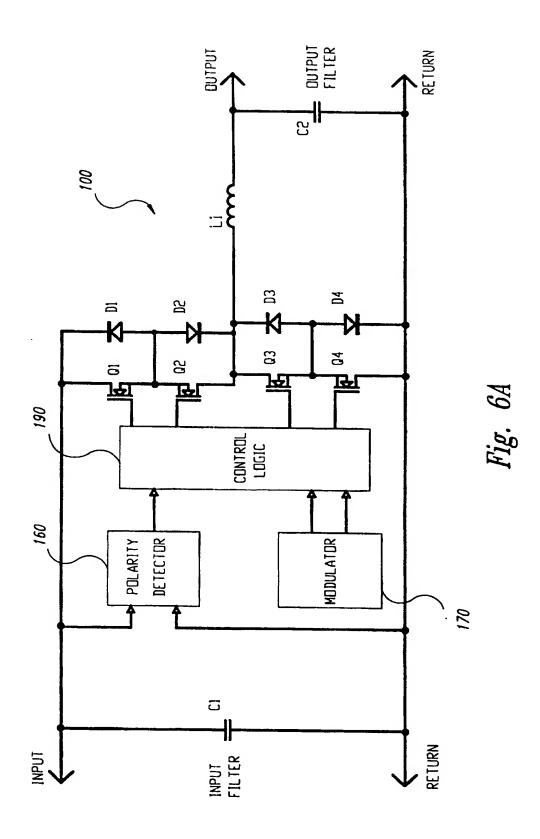
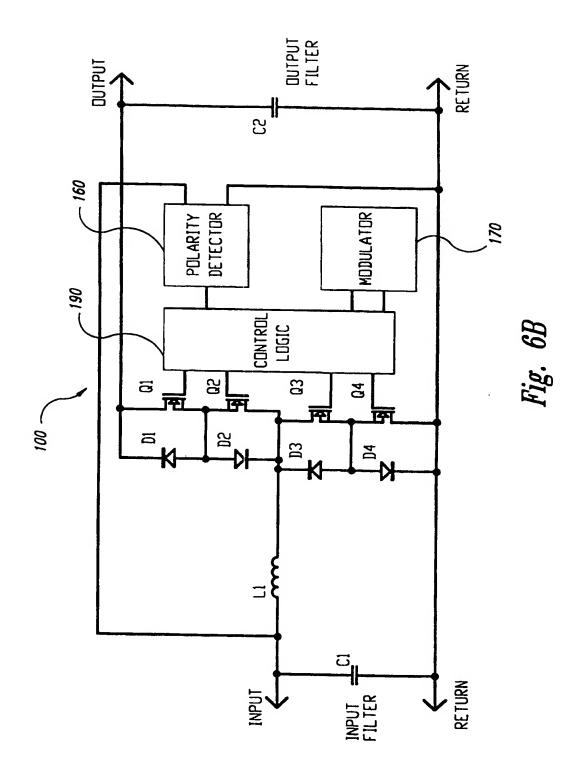
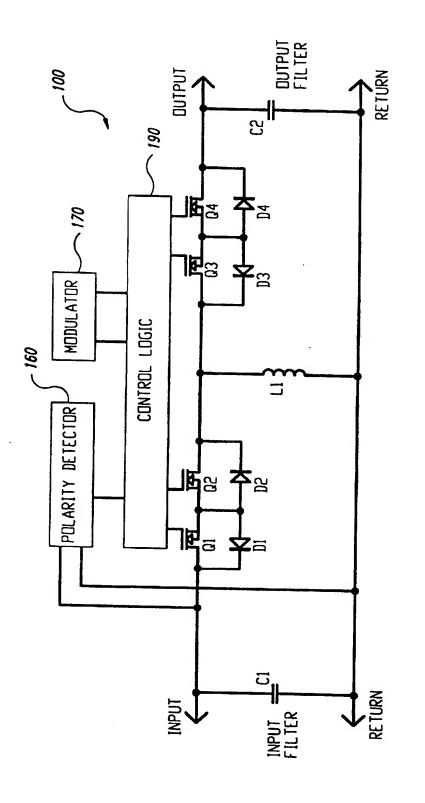


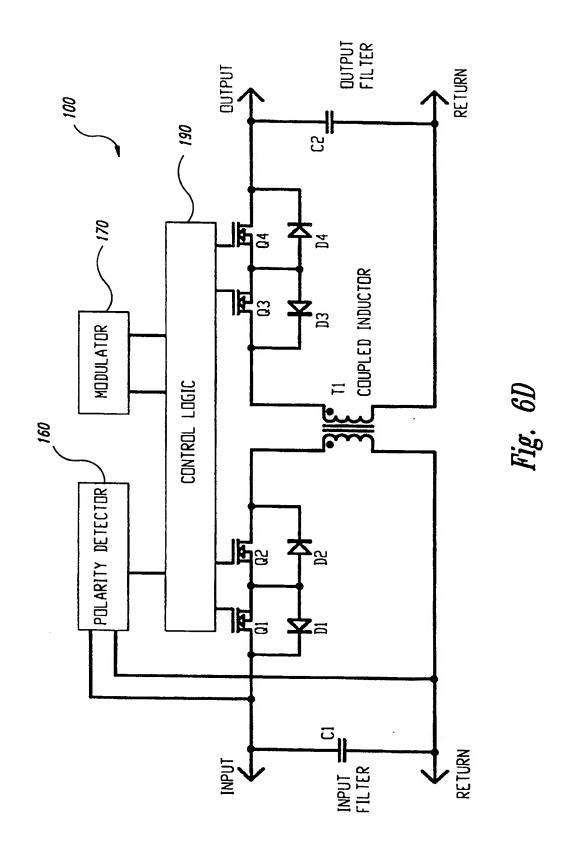
Fig. 5







rig. 6C



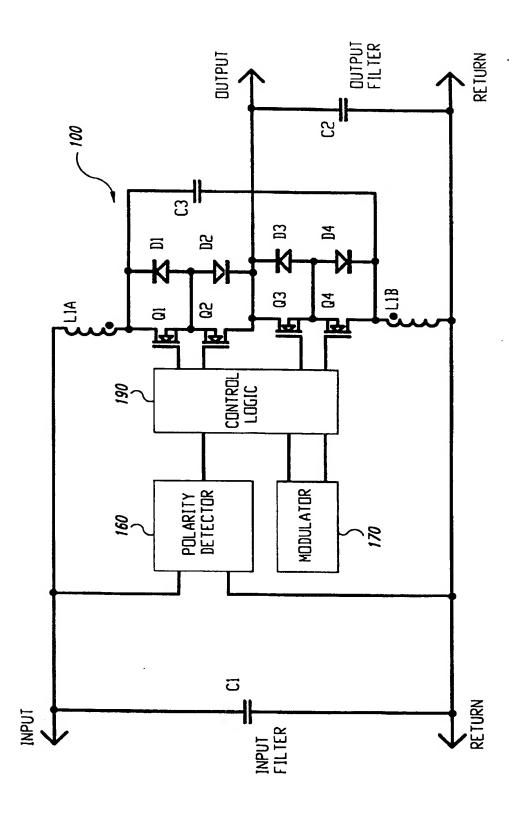


Fig. 7.4

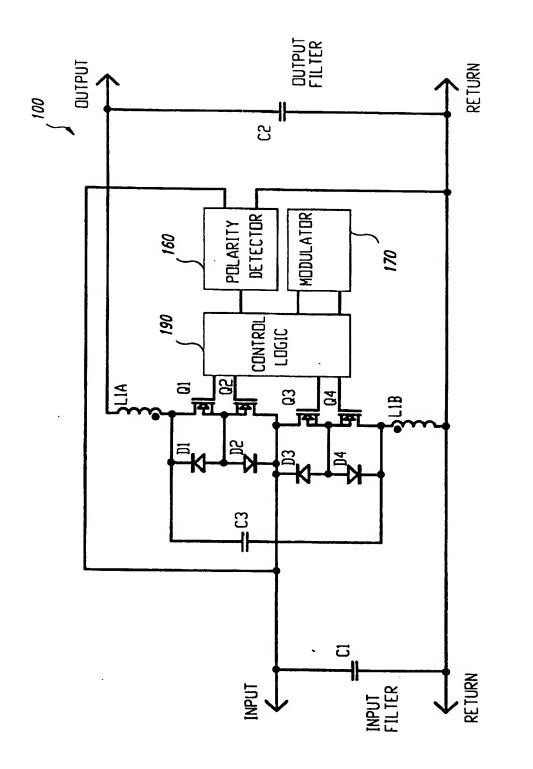


Fig. 7B

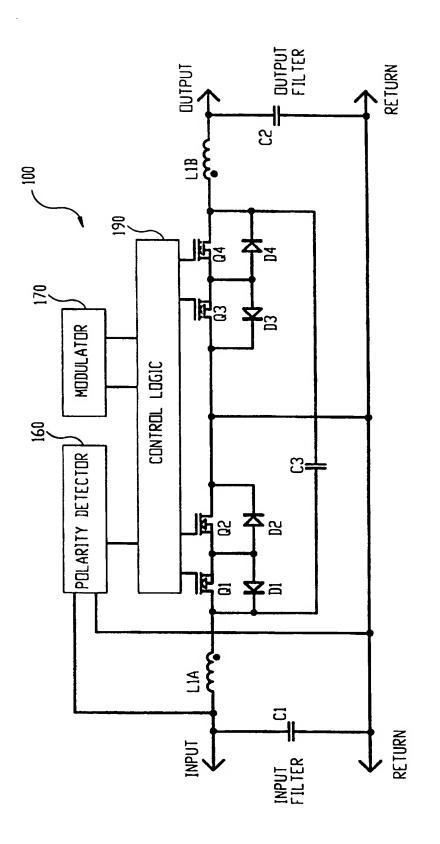
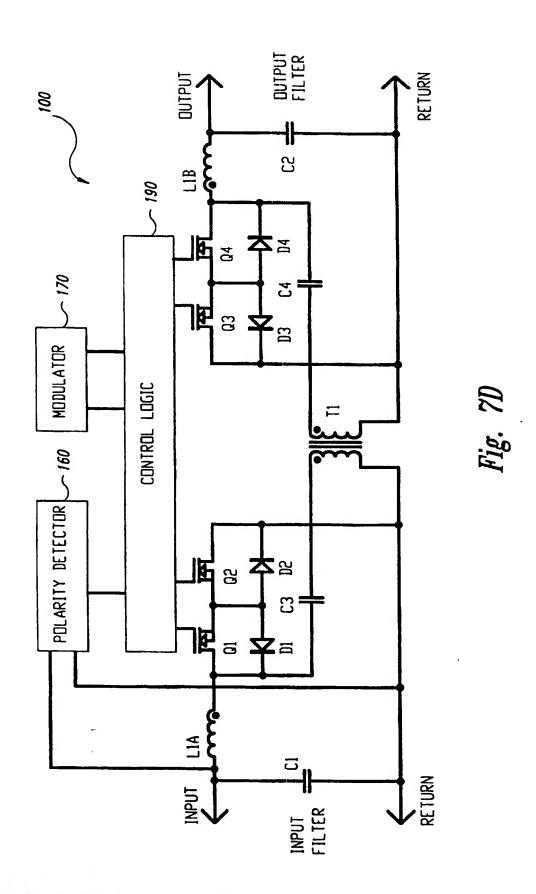
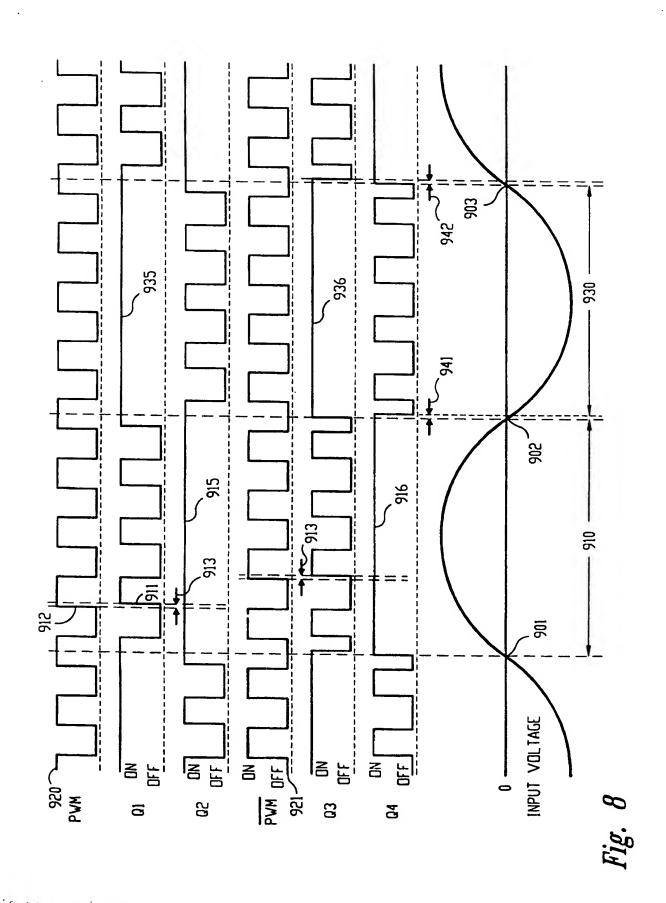
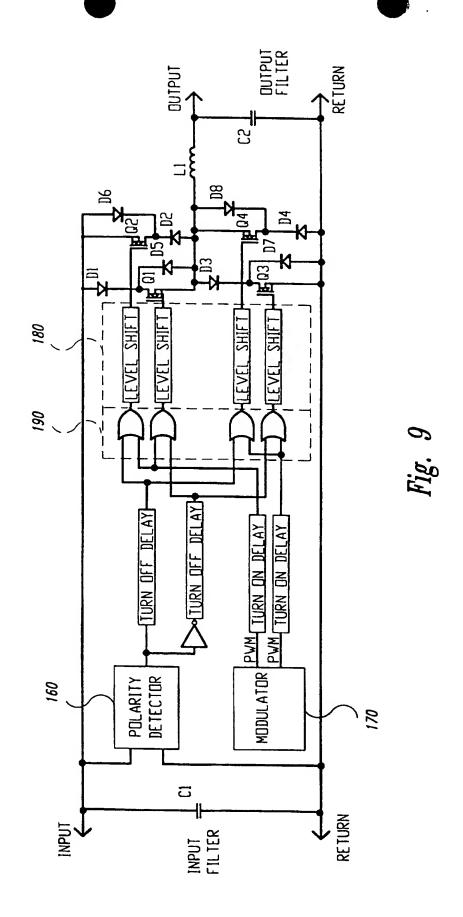
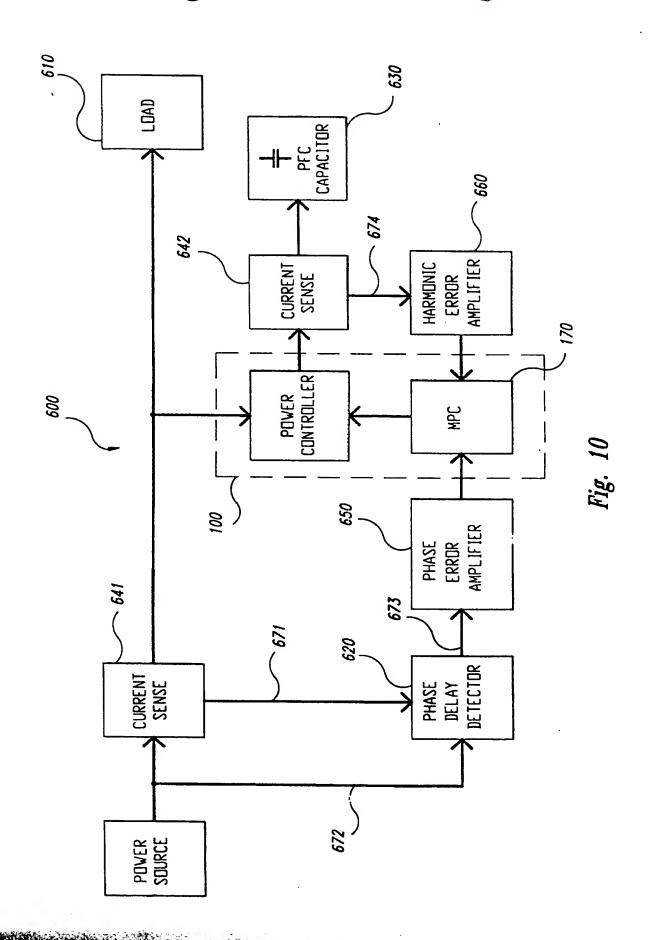


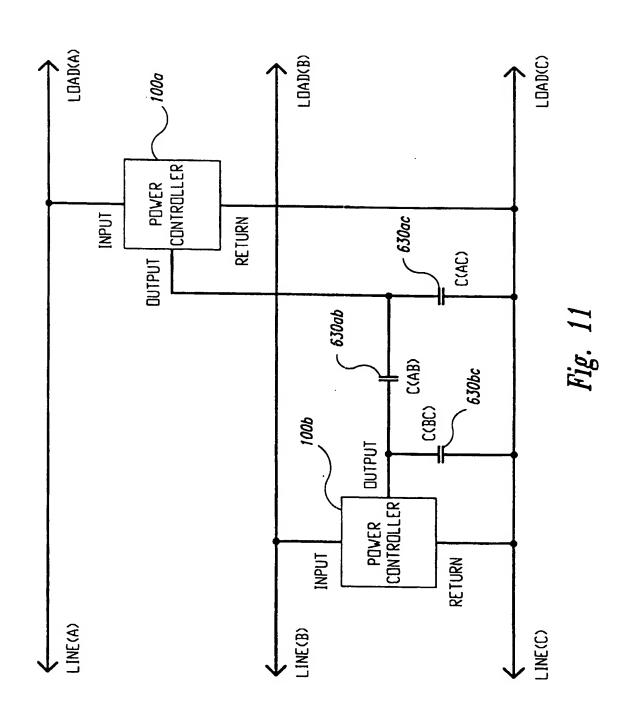
Fig. 7C

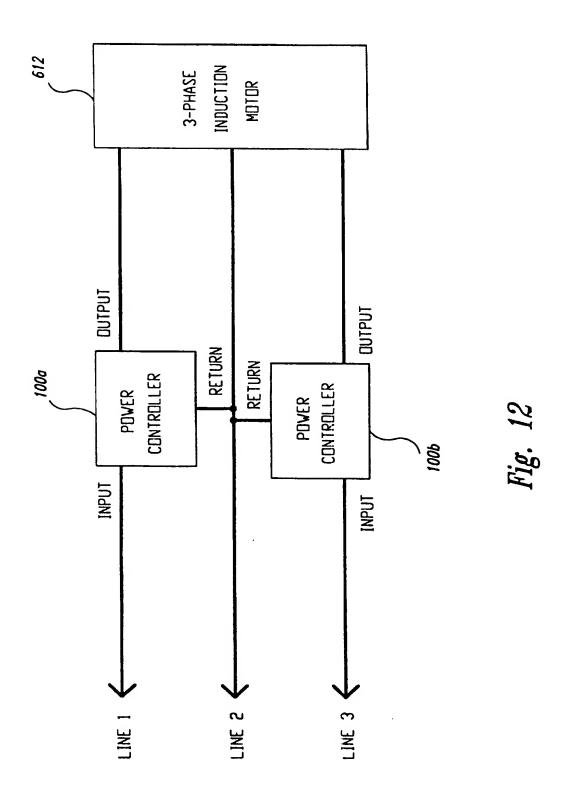












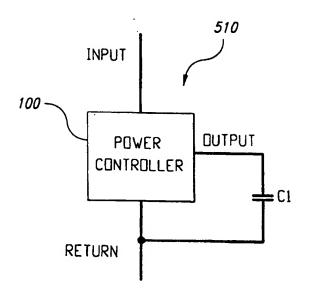


Fig. 13

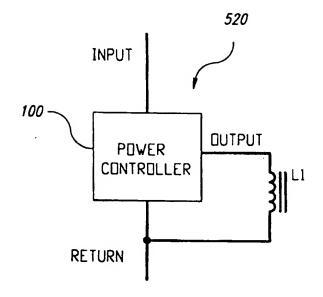


Fig. 14

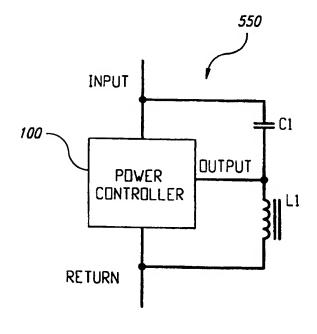


Fig. 15

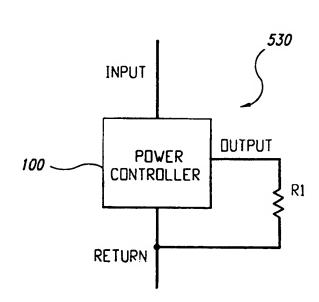


Fig. 16

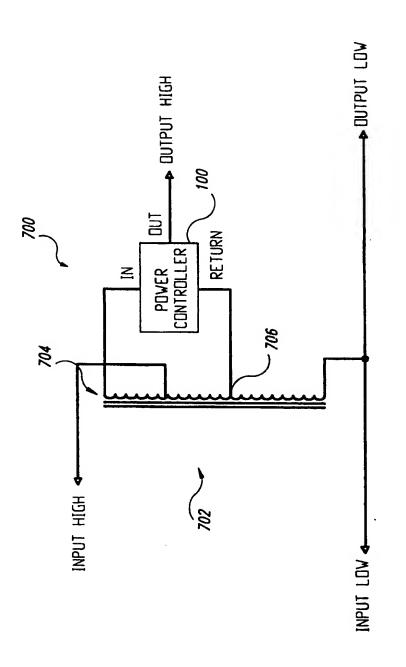


Fig. 17

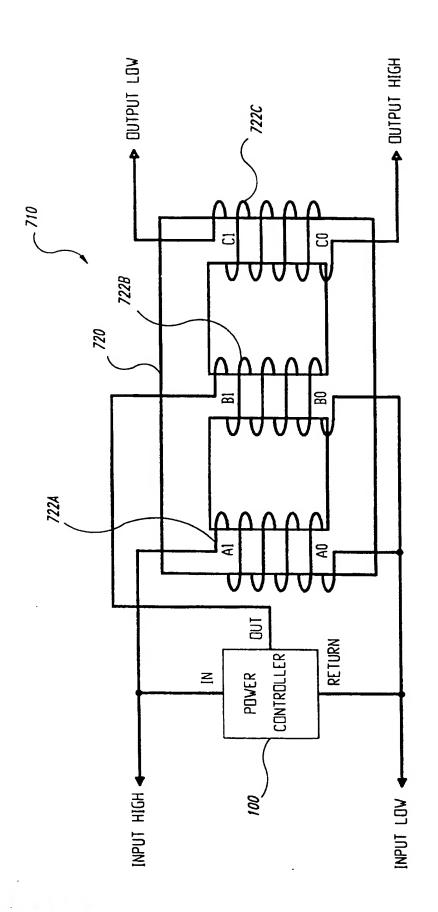


fig. 18

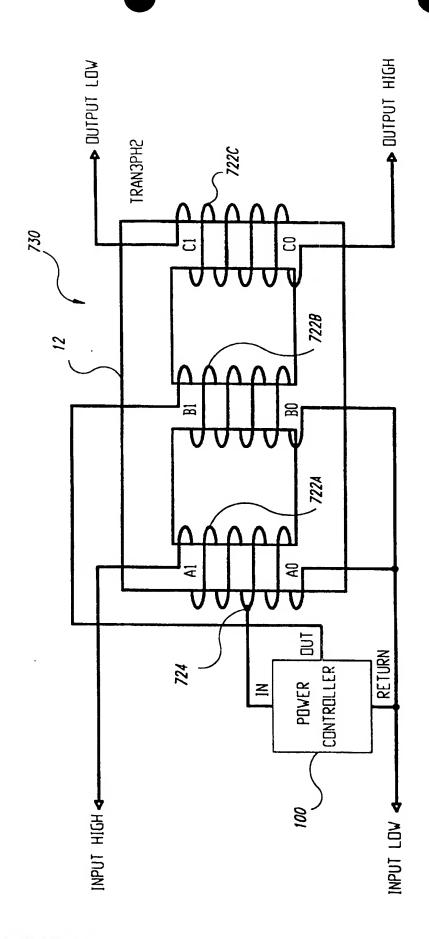


Fig. 19

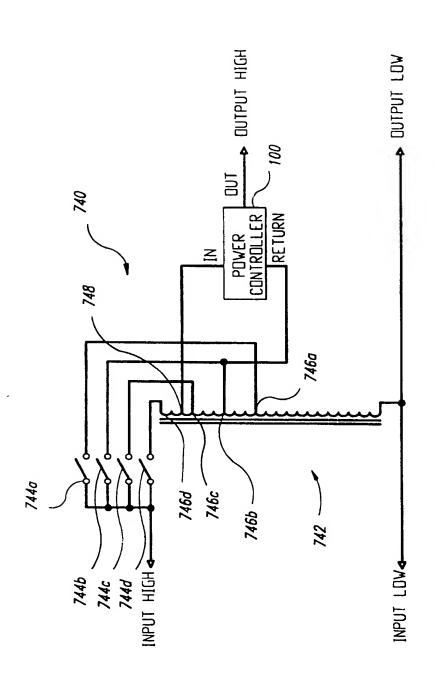
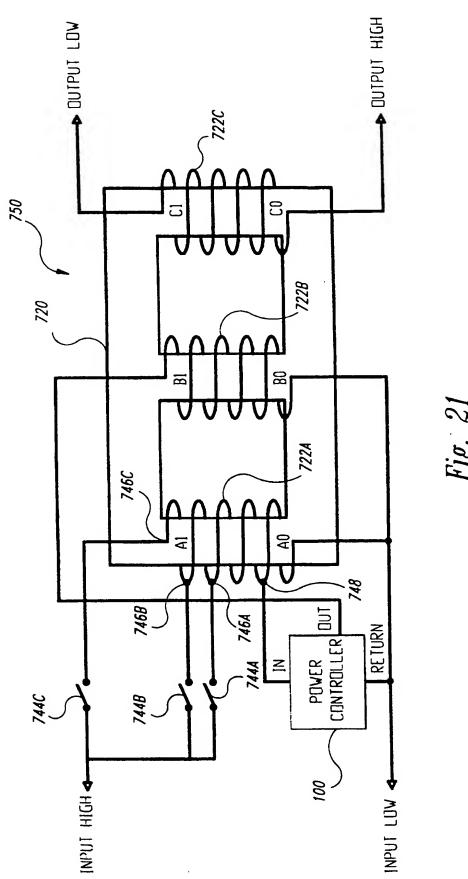


Fig. 20



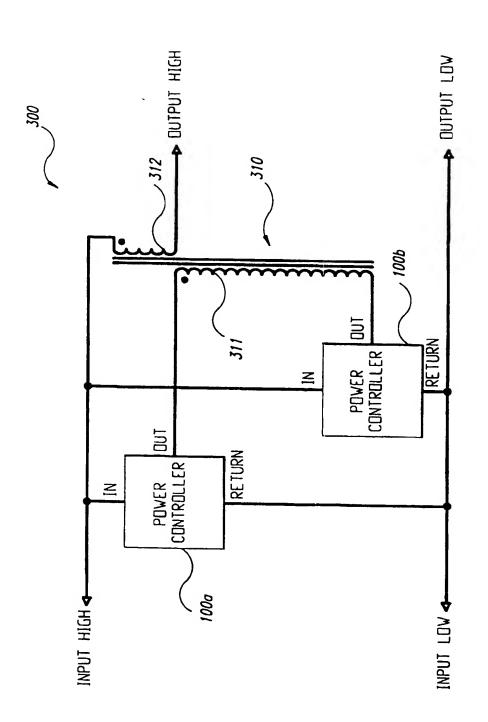
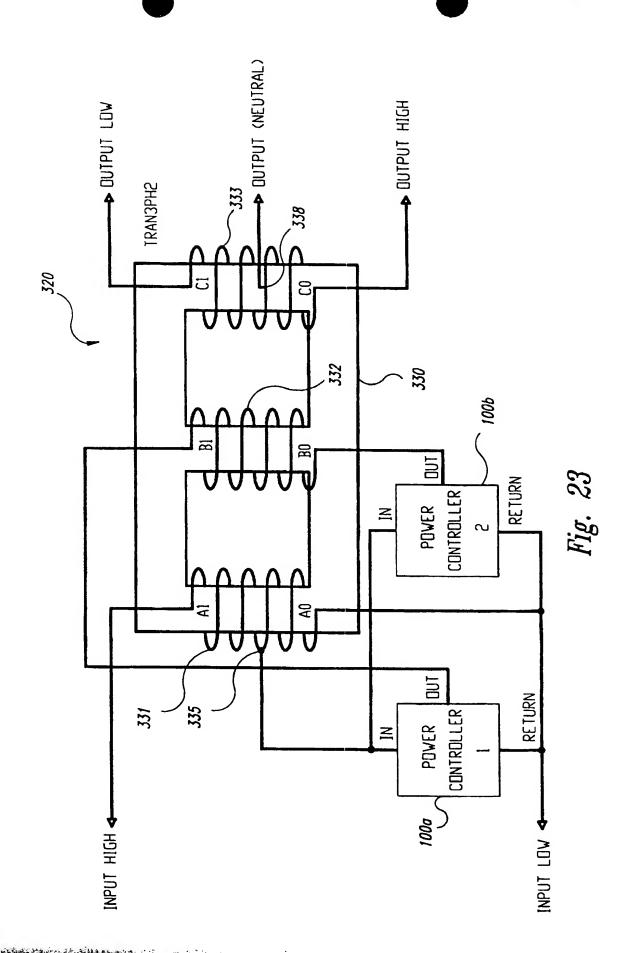
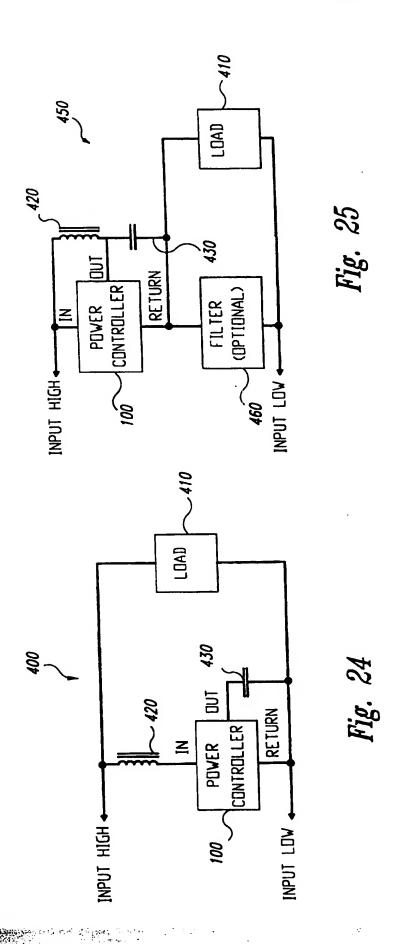


Fig. 22





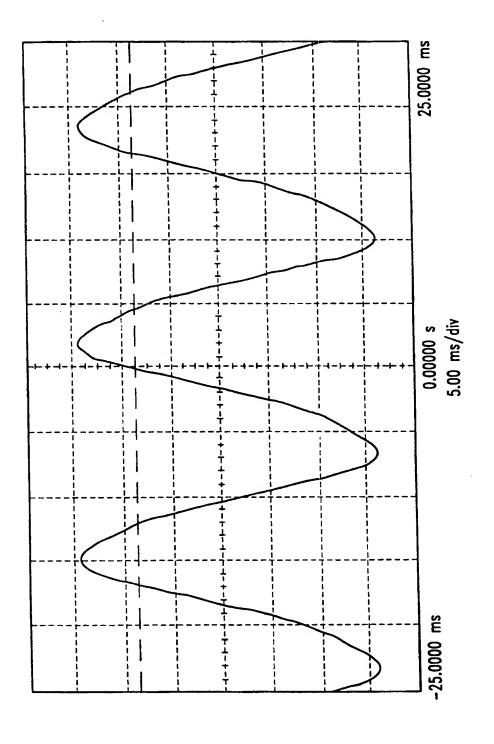
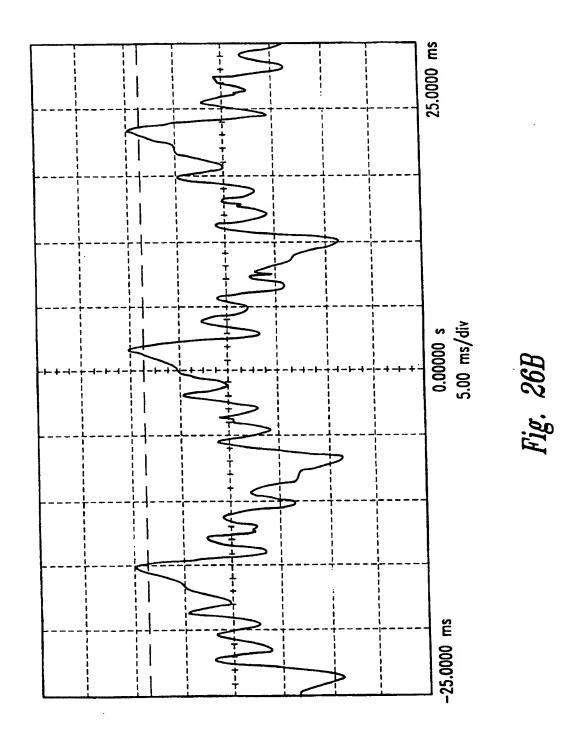
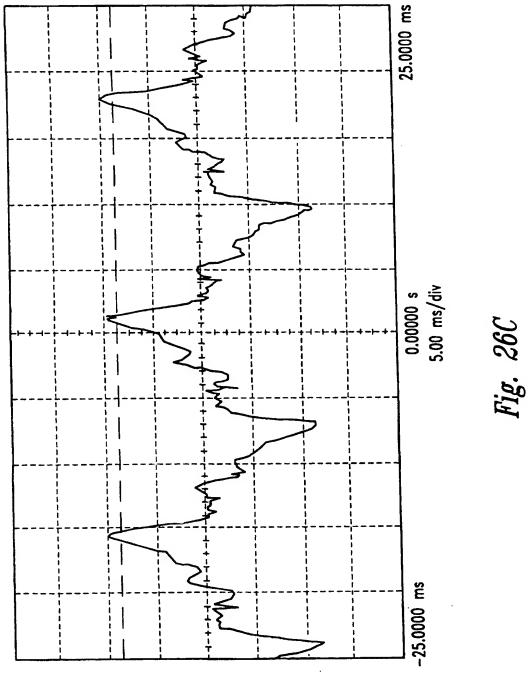


Fig. 26A





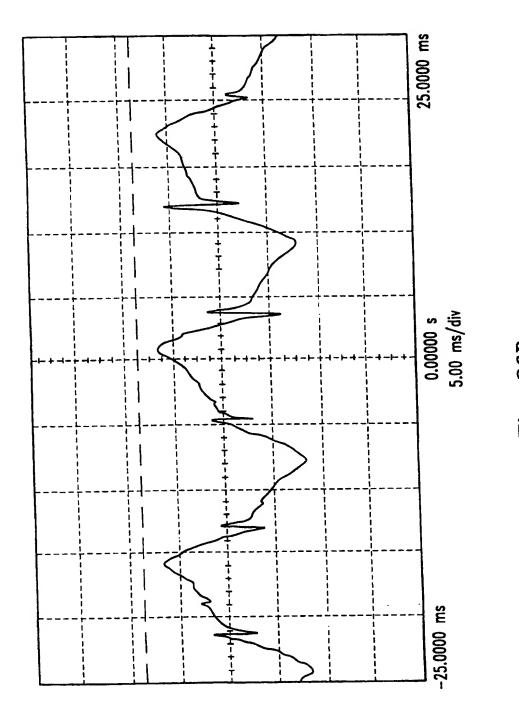
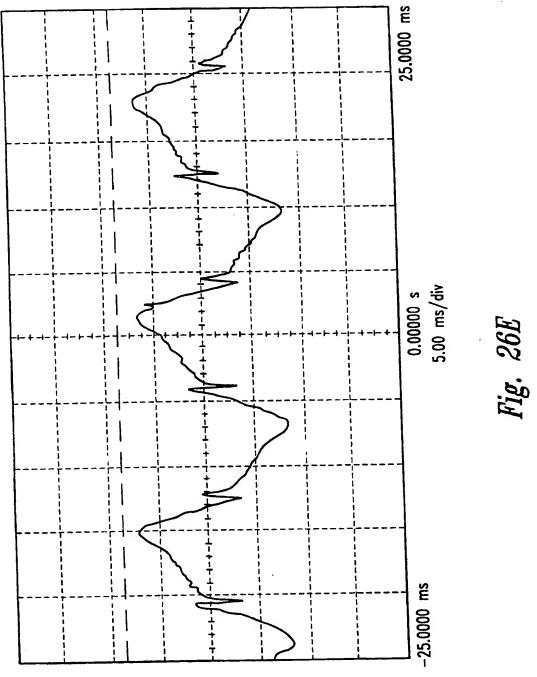
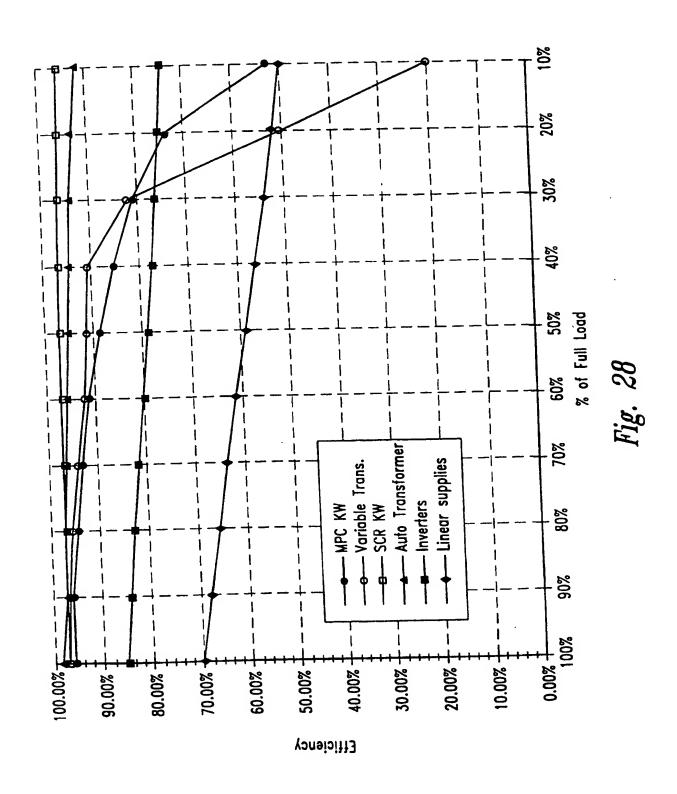
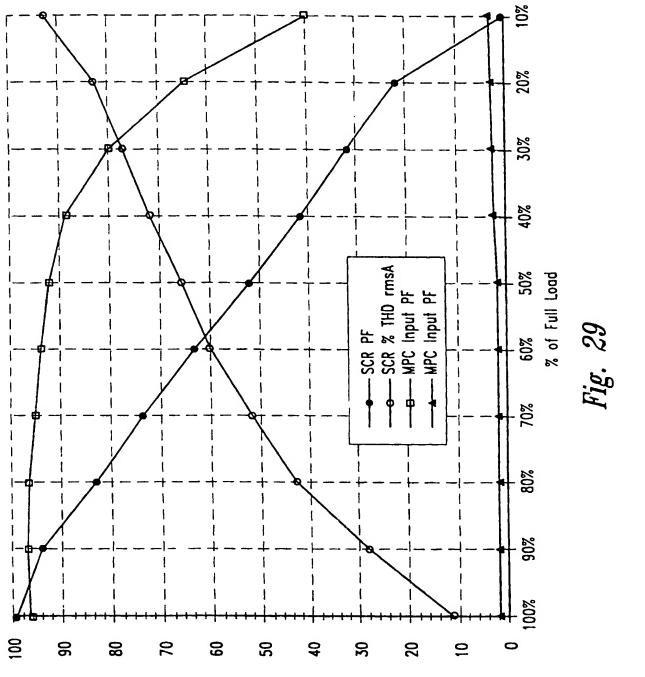


Fig. 26D

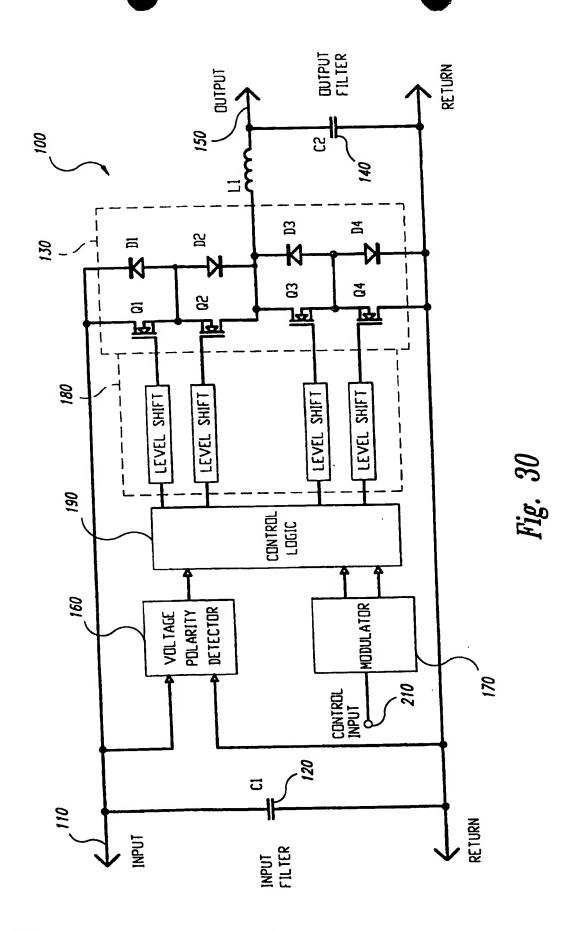


ſ		٨	:83 :23	1.85	<u>چ</u>	<u>o</u> .	<u>o:</u>	55	7	2.2	2.3	3.4	$\neg$	_		7	اي	انہ	<u> </u>	انه	<u>~</u> T	انہ	ازى	4	ما	41	Т	$\neg$
7		%THD-rmsA						-		2	2	2					%THD-rmsA	11.5	27.7	45.9	52.7	60.2	66.5	72.4	77.9	84.4		
Fig. 27		ᄔ	-	-		-	-	-	-				0.85		İ		Ŀ	0.99	9.9	0.83	0.73	0.63	0.52	0.42	0.32	0.22		
Fig	Output	KVA	4.7	4.4	3.6	3	2.4	1.78	1.26	0.81	0.44	0.155	0			Output	KVA	5	4.9	4.6	4.2	3.9	3.5	3.1	2.7	2.2		
		KW	4.7	4.4	3.6	က	2.4	1.78	1.26	0.81	0.44	0.155	0				KW	5	4.6	3.8	3.1	2.5	1.8	1.3	6:0	0.5	Unstable	
		%THD-rmsA	3.8	4	4.2	4.7	5.5	6.5	8	10.3	13.2	15.8	16.7				%THD-rmsA	12.4	27.9	42.5	52.7	60.3	66.4	72.1	77.5	84.2		
		Ή	0.97	0.97	0.97	96.0	0.95	0.93	0.89	0.81	0.65	0.4	0.15				ᄔ	0.99	0.94	0.84	0.73	0.63	0.54	0.43	0.34	0.24		
	Input	KVA	5	4.8	3.9	3.3	2.7	2.2	1.65	121	0.9	0.72	99.0			Input	KVA	5.1	5	4.7	4.3	4	3.6	3.2	2.8	2.2	Unstable	
MPC		₹	4.9	4.6	3.8	3.2	2.6	2	1.47	0.98	0.59	0.29	0.1				₹	5.1	4.7	3.9	3.2	2.6	<u>6:</u>	1.4	6.0	0.5		
Buck Mode MPC		KVA Eff	94.00%	91.67%	92.31%	90.91%	88.89%	80.91%	76.36%	66.94%	48.89%	21.53%	0.00%		SCR		KVA Eff	98.04%	%00:86	97.87%	97.67%	97.50%	97.22%	%88.96	96.43%	100.00%		
		KW Eff	95.92%	95.65%	94.74%	93.75%	92.31%	89.00%	85.71%	82.65%	74.58%	53.45%	%00.0				KW Eff	98.04%	97.87%	97.44%	%8.96	96.15%	94.74%	95.86%	100.00%	100:00%		
		% of range	100%	%06	%&	70%	%09	20%	40%	30%	70%	10%	%0				% of range	100%	%%	%08	%01	%09	20%	40%	30%	%02	%01	%0
120		V AC rms	120	2	98	8	72	8	8	36	74	12	0				V AC rms	120	188	98	\$	72	8	48	36	24	12	0





Total Harmonic Distortion & PF (X100)



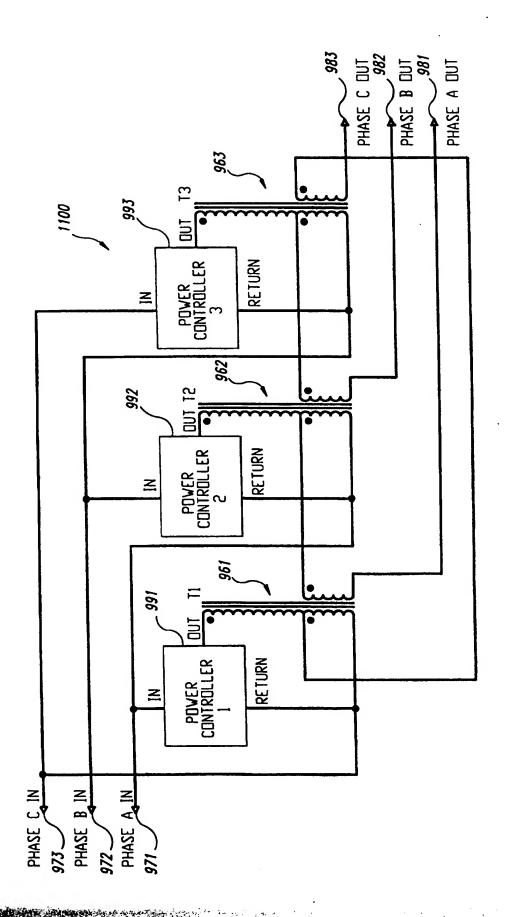


Fig. 3.

